

Figure 1
Dispersion of Carbon Nanotubes by Single-stranded DNA

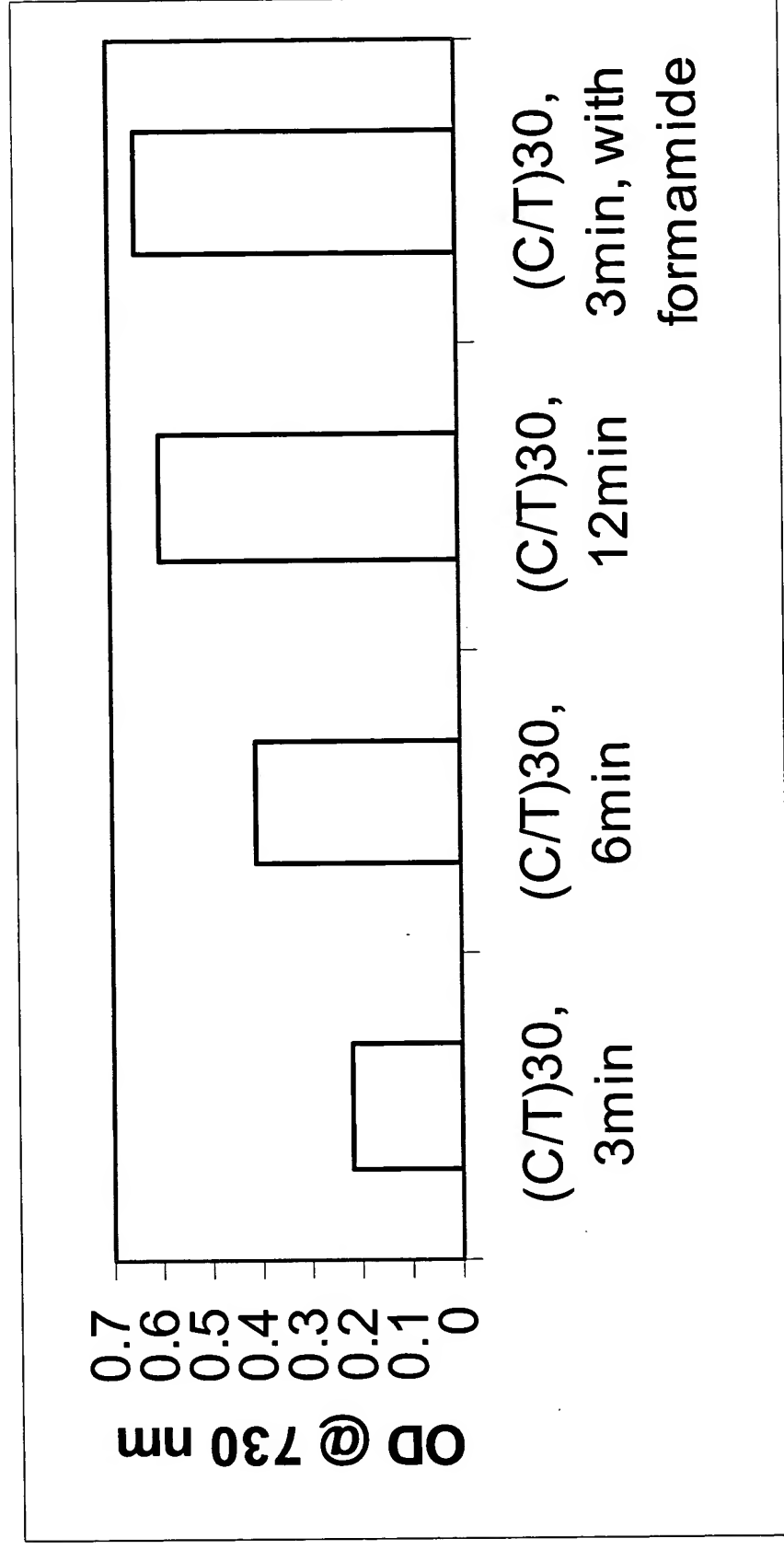


Figure 2

Sonication time and addition of denaturants on dispersion of carbon nanotubes

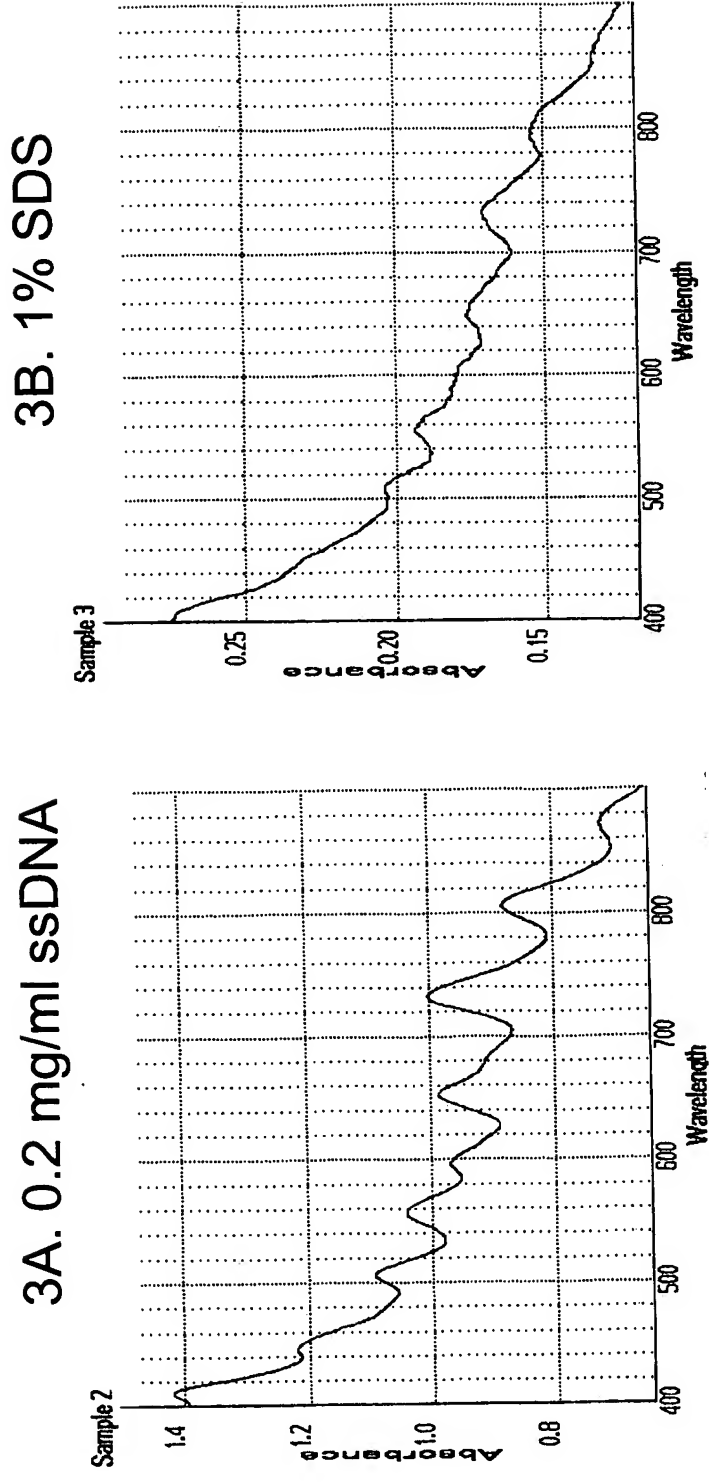
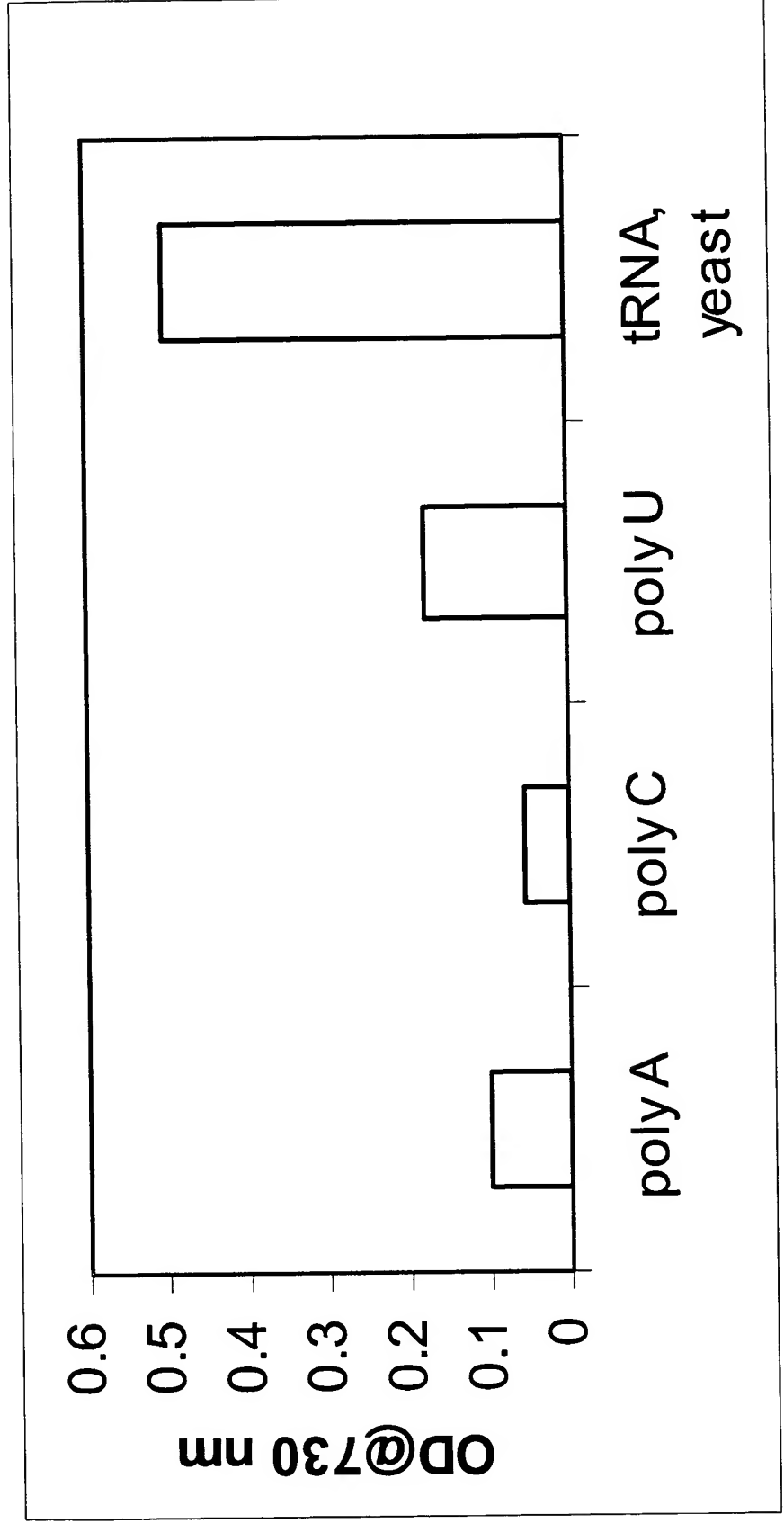


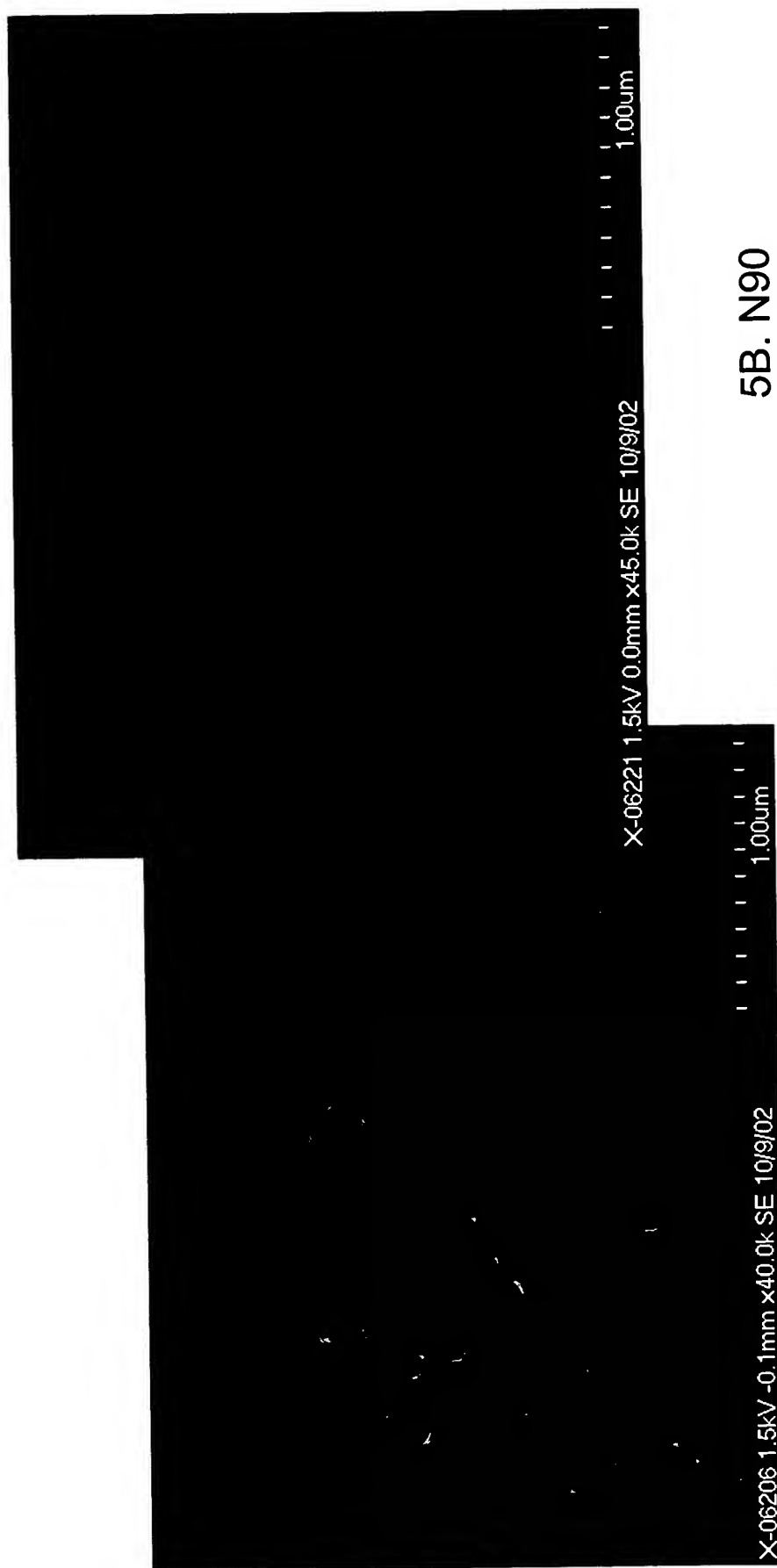
Figure 3

Dispersion of carbon nanotubes by ssDNA versus surfactant



Dispersion of carbon nanotubes by RNA

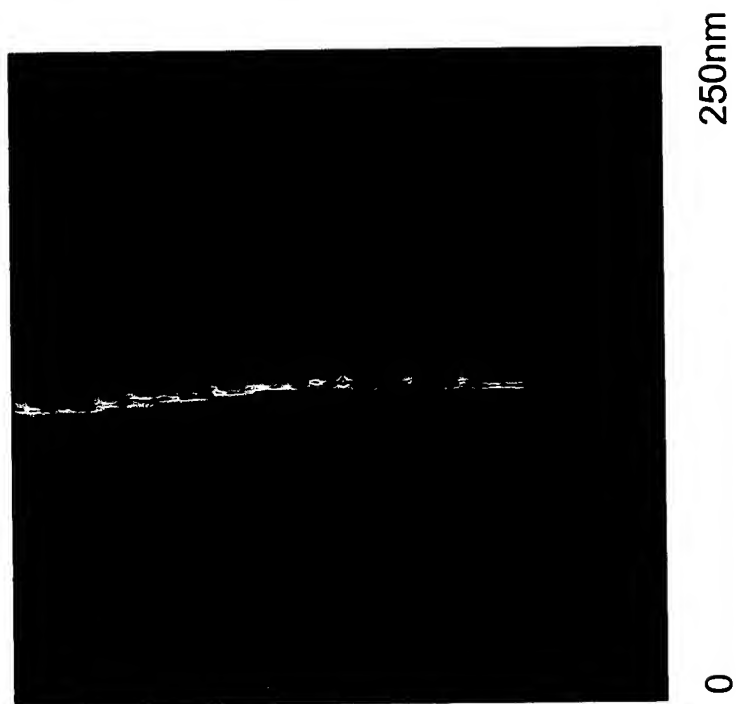
Figure 4



5A. Biotin-N90

Immobilization of DNA Dispersed Carbon Nanotubes through Biotin-Streptavidin Interaction

Figure 5



Avg spacing = 11nm
Ht of CNT=1.08nm
Width of CNT=1.9nm
Ht of CNT/DNA= 2.16nm

Figure 6
Micrograph of Wrapped Nanotube

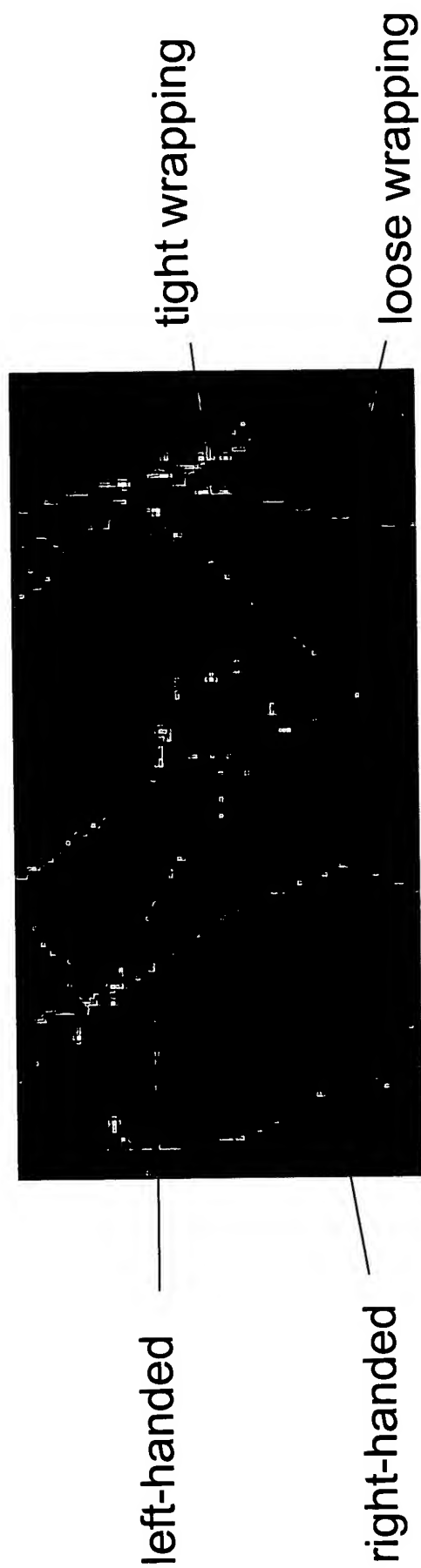


Figure 7
Micrograph of Different Modes of DNA Wrapping on Nanotubes